CQI	SUBCARRIER 1	SUBCARRIER 2	SUBCARRIER 3	SUBCARRIER 4
MOBILE STATION 1	4	3	2	3
MOBILE STATION 2	2	1	4	2

PRIOR ART

FIG.1

CQI	SUBCARRIER 1	SUBCARRIER 2	SUBCARRIER 3	SUBCARRIER 4
MOBILE STATION 1	2	1	4	3
MOBILE STATION 2	3	2	1	2

PRIOR ART

FIG.2

START

| ST10 | SET TOTAL TRANSMISSION RATE SETTING VALUE C (INITIAL VALUE) |

| ST20 | CALCULATE TRAFFIC AMOUNT S_K |

| ST30 | ASSIGN SUBCHANNELS |

| ST70 | $C = C' + \Delta C$ |

| ST40 | CALCULATE ACTUAL TRANSMISSION RATE C' |

| ST60 | CALCULATE TRANSMISSION RATE ΔC FOR REMAININGS |

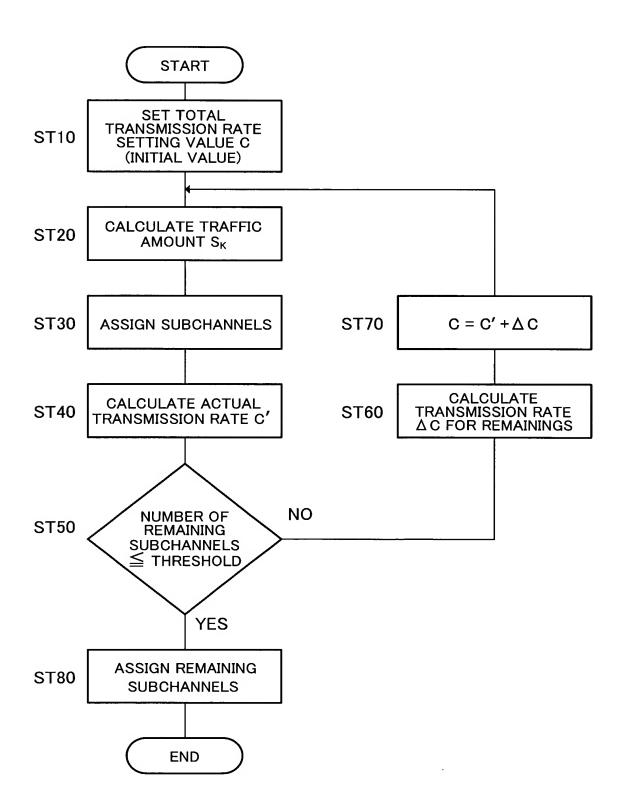| ST50 | NUMBER OF REMAINING SUBCHANNELS $\leqq$ THRESHOLD |

NO

YES

| ST80 | ASSIGN REMAINING SUBCHANNELS |

END

FIG.3
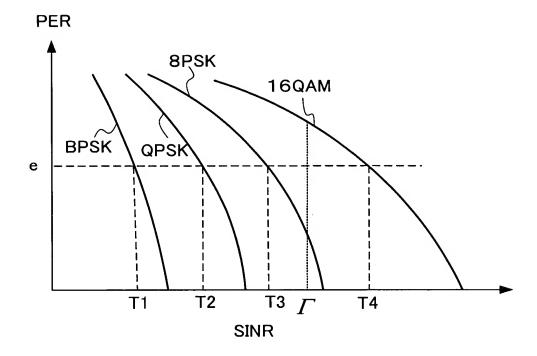
FIG.4

SUBCARRIER NUMBER	1	2	3	4	5	6	7	8
MOBILE STATION 1 (FLOW 1)	1	4	1	2	1	4	1	1
MOBILE STATION 2 (FLOW 2)	2	1	2	2	2	3	2	2

FIG.5

CQI	1	2	3	4
MODULATION SCHEME	BPSK	QPSK	8PSK	16QAM
BITS/ SYMBOLS	1	2	3	4

FIG.6

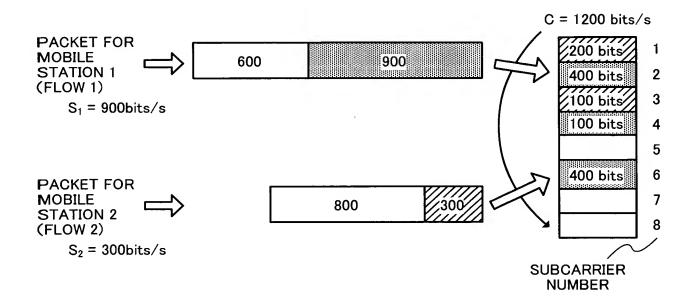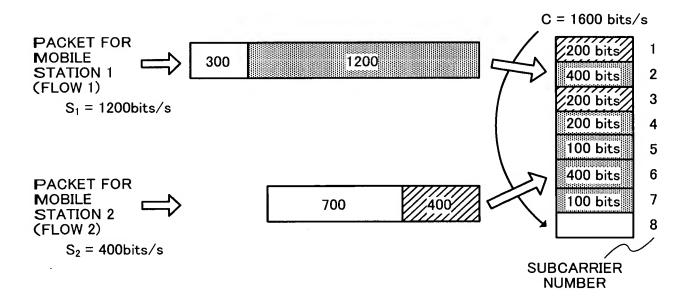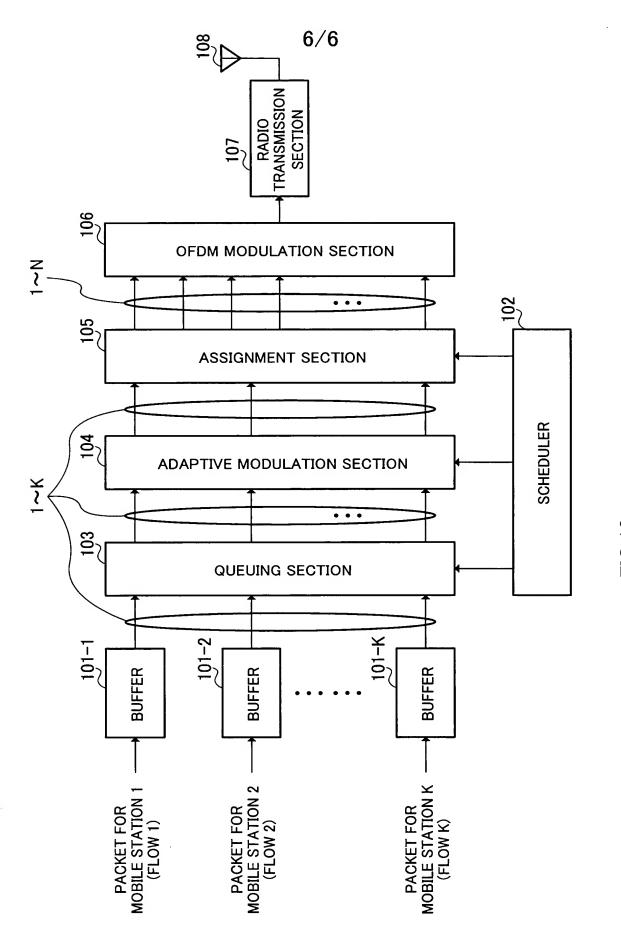| SUBCARRIER NUMBER	1	2	3	4	5	6	7	8
MOBILE STATION 1 (FLOW 1)	1	④	1	②	1	④	1	1
MOBILE STATION 2 (FLOW 2)	②	1	②	2	②	3	②	②

FIG.7

PACKET FOR
MOBILE
STATION 1
(FLOW 1)

$S_1 = 900 \text{bits/s}$

| 600 | 900 |

C = 1200 bits/s

200 bits	1
400 bits	2
100 bits	3
100 bits	4
	5
400 bits	6
	7
	8

PACKET FOR
MOBILE
STATION 2
(FLOW 2)

$S_2 = 300 \text{bits/s}$

| 800 | 300 |

SUBCARRIER
NUMBER

FIG.8

PACKET FOR
MOBILE
STATION 1
(FLOW 1)

$S_1 = 1200 \text{bits/s}$

| 300 | 1200 |

C = 1600 bits/s

200 bits	1
400 bits	2
200 bits	3
200 bits	4
100 bits	5
400 bits	6
100 bits	7
	8

PACKET FOR
MOBILE
STATION 2
(FLOW 2)

$S_2 = 400 \text{bits/s}$

| 700 | 400 |

SUBCARRIER
NUMBER

FIG.9

FIG.10

6/6

FIG.10